

Abstract of th Disclosure

A method for gradual expansion of a cellular network comprising the steps of: A. Creating a plurality of new, smaller cells within an existing, larger cell, wherein each new cell is randomly located; B. integrating each of the new cells within the existing cellular network by connecting it to the cellular network infrastructure; and C. giving priority in connecting mobile users through one of the new cells' base stations, by transferring calls from the existing base station to a new base station, whenever possible. In a cellular network system, an add-on base station comprising transmitters, receivers and a controller, wherein the controller includes means for listening to the cellular traffic and for allowing the base station to take control according to predefined rules.